

### **Abstract**

An actuator device self-contained within a housing and adapted to move an object.

The actuator device includes a movable piston positioned in a cylinder portion of the housing.

The cylinder portion defines a longitudinal axis, whereby the piston is movable along the

5 longitudinal axis in response to an accumulation of air pressure within the cylinder portion.

The actuator device also includes a rod coupled to the piston for movement with the piston.

The rod at least partially extends outside of the housing to couple to the object. Further, the

actuator device includes an air compressor located within the housing. The air compressor

transfers air from a location in the housing outside the cylinder portion to a location inside the

10 cylinder portion.

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